SBRVO-356/14-15

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. ***First & Final*** (For Other Works) Date 30-3.....2015

Division: **BBMP, Byataranyanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. 03 Dated 31/3/2015 Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: **P-1771** **Work Code: 010-15-000051** **Est.Cost: 10.00 Lakhs** D.R.No. : Name of Work

(as per sanctioned estimate: **Emergency Works and Maintenance of Ward in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: ***Sri R. Narayanswamy, #35/2, Srinivasanilaya, opp Jawar School, Geddalahalli RMV 2nd Stage, Bangalore-94.***

Reference to Agreement No. **EE/BTP/BBMP/E-PMT/09(16682)/WO/347/2014-15** **Dated: 13.03.2015**

Certified that the measurements were taken by me on 31/3/2015 and recorded of **Pages** 259014 **to** 259031 of measurement Book No. 2591 and that the work is satisfactorily executed.

R. Narayanaswamy
Contractor

Jadhav
Officer-in-charge of work

Certified that the measurement were taken by me on 31/3.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	1928600=00
	b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	IS- 19286=00 KSI- 37100=00 FSD- 115716=00 Cur- 19286=00 CBF- 1929=00 Roy- 21593=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	254954=00
9)	Value of Government materials supplied.	
	Total amount adjusted -	1673646=00

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

R. Narayanaswamy
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)
1928600=00
254954=00
1673646=00

Witness
1.
2.

Stamp

R. Narayanaswamy
Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Executive Engineer

Sl. No.		Unit
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead and lead of 10000 meters etc complete as per specifications and directions of engineer in charge of the work	Cum
2	Earth work in surface excavation in **hard soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed etc complete as per specifications and directions of engineer in charge of the work	Cum
	Above 125%	
3	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum
	Above 125%	
4	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
5	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
	Above 125%	
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
	Above 125%	
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
	Above 125%	
8	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
	Above 125%	
9	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work	Cum
10	**Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work	Qtl
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labouretc complete as per specifications and directions of engineer in charge of the work	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	0.00	0.00	0.00	0.00	0.00	
-	-	75.00	200.00	15000.00	75.00	15000.00	
-	-	625.59	200.03	125136.77	625.59	125136.77	
-	-	101.44	250.00	25360.00	101.44	25360.00	
-	-	80.43	257.93	20745.31	80.43	20745.31	
-	-	27.02	4750.00	128345.00	27.02	128345.00	
		21.78	3750.00	81675.00	21.78	81675.00	
		73.18	3739.49	273655.88	73.18	273655.88	
		20.09	4450.00	89400.50	20.09	89400.50	
		37.59	4428.01	166448.90	37.59	166448.90	
		69.75	90.00	6277.50	69.75	6277.50	
		139.92	90.54	12668.36	139.92	12668.36	
		6.41	5300.00	33973.00	6.41	33973.00	
		7.86	5193.38	40819.97	7.86	40819.97	
		12.03	5900.00	70977.00	12.03	70977.00	
		14.43	7800.00	112554.00	14.43	112554.00	
		0.00	0.00	0.00	0.00	0.00	

Sl. No.		Unit
12	Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
13	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc complete as per specifications and directions of engineer in charge of the work	Sqm
14	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
	Above 125%	
15	1031 - Hire Charges of J.C.B Excavator including Operator and Fuel etc complete as per specifications and directions of engineer in charge of the work	Day
16	1023 - Hire Charges of Tractor 40 HP including Operator and Fuel etc complete as per specifications and directions of engineer in charge of the work	Day
17	Engaging Causal Labours (Unskilled mazdoor Heavy) etc complete as per specifications and directions of engineer in charge of the work	Nos
18	Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum
19	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work	Cum
	EIRL	
20	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work	Sqm
21	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mos of engineer in charge of the workf the workr proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished	Sqm
22	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
23	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curingetc complete as per specifications and directions of engineer in charge of the work	Sqm
24	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
25	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
26	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		0.70	5800.00	4060.00	0.70	4060.00	
		0.00	0.00	0.00	0.00	0.00	
		103.13	950.00	97973.50	103.13	97973.50	
		268.24	968.56	259806.53	268.24	259806.53	
		0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	
		0.81	438.11	354.87	0.81	354.87	
		9.80	838.00	8212.40	9.80	8212.40	
		5.32	178.76	951.00	5.32	951.00	
		57.24	216.99	12420.51	57.24	12420.51	
		62.56	20.67	1293.12	62.56	1293.12	
		729.30	180.83	131879.32	729.30	131879.32	
		0.80	4637.40	3709.92	0.80	3709.92	

Sl. No.		Unit
27	Providing Ceramic tiles of size 15 x 15 cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, etc complete as per specifications and directions of engineer in charge of the work	Sqm
28	Providing skirting, dado, rises of steps with Colour glazed tiles 15x15 cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm
29	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
30	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
31	Providing and **removing centering, shuttering, strutting, propping etc.,** and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
32	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4 etc complete as per specifications ands of engineer in charge of the workraul plugs	Sqm
33	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm for bottom section 1.1mm thick, weight 1.205kg/m; sides and top section 1.2mm. thick weight 1.093mmkg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417kg/m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417kg/m,shutter interlock section 40mmx26.7mm. wall thickness 1.1mm.weight 0.469kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading all aluminium section anodised 12 to 15 microns,thick including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case ms of engineer in charge of the workraul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections retreated for removal of any rust	Sqm
34	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work	Sqm
35	Fabricating, providing and erecting in poiston of **M.S Ornamental security Grill Gate** with out hot dip using75x12mm M.S flat for alround frame work with verticals at the centre and horizontal centere support M.S square of 20x20mm of different heights as shown in the draing are to be fixed at 16 cms c/c for square bars of full height and at 8cmsc/c for bottom rods providg ornamental CI designers at the botom and c I arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. The work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complet cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion of the work as per specification and drawing etc complete as per specifications and directions of engineer in charge of the work	**kgs**
36	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work	Cum

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		5.32	865.90	4606.59	5.32	4606.59	
		9.42	973.36	9169.05	9.42	9169.05	
		5.32	547.64	2913.44	5.32	2913.44	
		0.81	258.32	209.24	0.81	209.24	
		39.42	226.29	8920.35	39.42	8920.35	
		3.78	3616.51	13670.41	3.78	13670.41	
		0.54	3471.85	1874.80	0.54	1874.80	
		62.56	64.06	4007.59	62.56	4007.59	
		365.00	147.39	53797.35	365.00	53797.35	
		729.30	77.50	56520.75	729.30	56520.75	

Sl. No.		Unit
37	Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	Pan
38	Providing and fixing white vitreous china clay, wall corner type lipped front urinal basin of size 340x410x265mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	Unit
39	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	Unit
40	Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	Unit
41	Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,etc complete as per specifications and directions of engineer in charge of the work	Rmtr
42	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI etc complete as per specifications and directions of engineer in charge of the work	L
43	Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work	Each
44	Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	m
	Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Jadhav
AE 31/3/2015

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		2.00	4409.04	8818.08	2.00	8818.08	
		2.00	2815.71	5631.42	2.00	5631.42	
		2.00	4072.19	8144.38	2.00	8144.38	
		2.00	3773.57	7547.14	2.00	7547.14	
		40.00	185.99	7439.60	40.00	7439.60	
		500.00	6.20	3100.00	500.00	3100.00	
		12.00	276.92	3323.04	12.00	3323.04	
		12.00	438.11	5257.32	12.00	5257.32	
				1928648.90		1928648.90	

1928600=

1928600=

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97